

Exhibit 1



KTA-TATOR, Inc.
 Protective Coating Consultants
 115 Technology Drive
 Pittsburgh, PA
 412-788-1300

NIOSH
 Project

Facility:		Blast Cleaning			Time	Air T °F	RH %	DP °F	ST °F	Bar Pre	
Date:	IR #: J95331-01	Inspection Report									
KTA/SET Job Number J95331											
Generic Abrasive						Trade Name					
Abrasive Log Number						Size Designation			Grade		
Abrasive Mfg.						Supplier					
Pre Blast Checkboxes:											
Abrasive Riffle <input type="checkbox"/>			100g Sieve Analysis ASTM C-136 <input type="checkbox"/>			Sample Envelope Microhardness ITL <input type="checkbox"/>					
1 lb Sample NIOSH <input type="checkbox"/>			300ml Sample ASTM D-4940 KTA Lab <input type="checkbox"/>			1 lb Sample KTA <input type="checkbox"/>					
Item No:		Surface Preparation		Surface Profile (mils)			Embedment				Steel Sample Area #
Panel No:		Spec	Act	Spec	Act.	Act.	Area 1	Area 2	Area 3	Area 4	Area 5
1		SP-10		2-3							
2		SP-10		2-3							
3		SP-10		2-3							
4		SP-10		2-3							
5		SP-10		2-3							
6		SP-10		2-3							
7		SP-10		2-3							
8		SP-10		2-3							
9		SP-10		2-3							
Consumption and Cleaning Rate						Total Blast Time					
Initial Amount of Abrasive			Spec		Act.	Choke Valve Setting					
Abrasive left (hose and pot)						Metering Valve Setting					
Square Feet Cleaned											
S. P. QUALITY ITEMS					CAL. OK	Instrument				SERIAL NUMBER	
Hose/Nozzle Number Used			1	2	<input type="checkbox"/>	HYGROMETER					
Nozzle Orifice Gauge			Size: 3 4 5 6		<input type="checkbox"/>	SURFACE THERMOMETER					
ASTM D-4285 Blotter Test Results			P	F	<input type="checkbox"/>	TESTEX TAPE Used	XC	C	N/A		
Nozzle Pressure			psi		<input type="checkbox"/>	SPRING MICROMETER					
Hose Flushed and dried			Y	N	<input type="checkbox"/>	NOZZLE ORIFICE GAGE					
					<input type="checkbox"/>	BAROMETER					
Post Blast Checkboxes:											
Abrasive Riffle <input type="checkbox"/>			1 lb Sample NIOSH <input type="checkbox"/>			100g Sieve Analysis ASTM C-136 <input type="checkbox"/>					
Technician		Signature			Project Supervisor			Signature			
Date		Print			Date			Print			
KTA Tator Blast Cleaning Inspection Report Form						QPF-WDC345R.1					
Rev. 1	Org. By: MFM		App. by:		Page 1 of 1		Issued 4-15-96		File #		

Exhibit 2

KTA Sieve Analysis Report Form **MATF 100R.2**

Revision No. 2 Issued 3/12/96

KTA-Tator, Inc.

MATS Group
Sieve Analysis

Sample Number _____
 Weight of Sample _____
 Sample Description _____

Date _____
 Technician _____
 Job _____

Sieve #	Cup and Grit	Cup	Grit	% of Total	Cum % of Total	S.O.S.** in mm	Particle Size Avg
10	12.7	12.6	0.1	0.10%	0.10%	2.000	0.20
12	13.1	12.9	0.2	0.20%	0.20%	1.700	0.34
16	15.2	13.5	1.7	1.71%	1.91%	1.180	2.01
20	16.8	12.7	4.1	4.13%	6.04%	0.850	3.49
30	20.6	12.8	7.8	7.85%	13.90%	0.600	4.68
40	25.4	12.7	12.7	12.79%	26.69%	0.425	5.40
50	31.5	12.9	18.6	18.73%	45.42%	0.300	5.58
60	21.7	12.8	8.9	8.96%	54.38%	0.250	2.23
70	21.8	12.9	8.9	8.96%	63.34%	0.210	1.87
100	28.9	12.9	16	16.11%	79.46%	0.150	2.40
140	27.7	12.9	14.8	14.90%	94.36%	0.110	1.63
200	17.5	12.4	5.1	5.14%	99.50%	0.075	0.38
270	13.1	12.7	0.4	0.40%	99.90%	0.053	0.02
Pan*	12.8	12.8	0	0.00%	99.90%	0.038	0.00
Total			99.3	100.00%		Sum =	30.21

* Approximated as a #400 Sieve

Average particle size = Sum / Total Wt. (in mm) = 0.30

** S.O.S. is Screen Opening Size

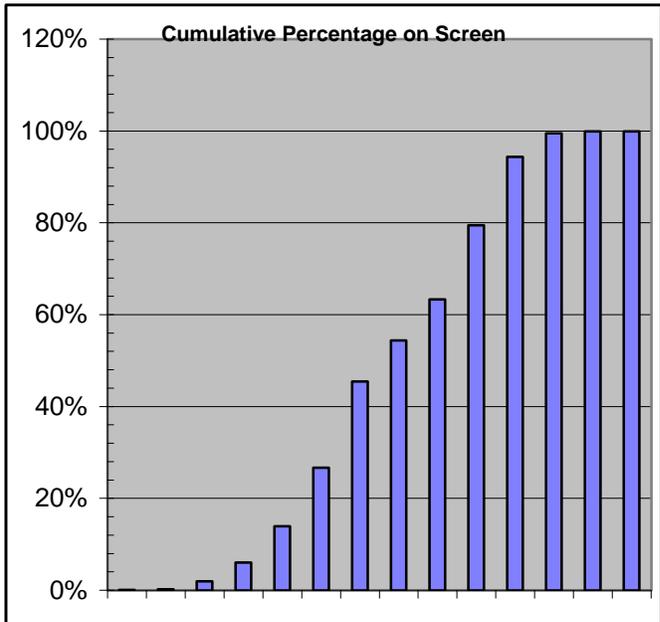
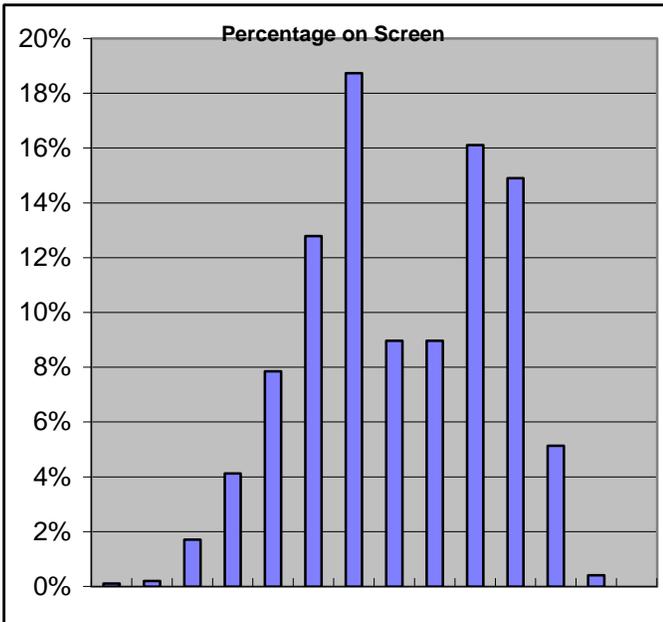


Exhibit 3

KTA/SET ENVIRONMENTAL

115 Technology Drive
Pittsburgh, PA
412-788-1300

Project: CDC/NIOSH; Phase 2		Pump Calibration Report	Facility: Consolidated Coal Co., Elizabeth, PA	
Date:	Time:	Generic Abr. Type:		
KTA/SET Project Number: J95119		Trade Name:		
Abrasive Log Number:		Supplier:		
Abrasive Mfg.:		Size:		
		Grade:		
Calibration Equipment:				
Gilibrator Precision Flow Bubble Meter		SN:		
Gilibrator Standard Flow Cell		SN:		
Calibration Conducted By: _____		(print) _____		(signature) _____
Comments:				

Location: Make-up Air Sample Bank									
Pump ID	Hose No.	Media	Target (l/min)	Actual Flow (l/min)					Ave Flow (l/min)
				1	2	3	4	5	
A	1	PVC (Resp. Dust)	1.7						
B	2	PVC (Resp. R.A.)	1.7						
C	3	PVC (Total R.A.)	4.0						
D	4	0.8 μ m MCE	2.0						

KTA/SET Pump Calibration Report Form					
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Exhibit 3
(con't)

KTA/SET ENVIRONMENTAL

115 Technology Drive
Pittsburgh, PA
412-788-1300

Location: Operator Air Sample Bank

Pump ID	Hose No.	Media	Target (l/min)	Actual Flow (l/min)					Ave Flow (l/min)
				1	2	3	4	5	
E	5	PVC (Resp.)	1.7						
F	6	PVC (R.A.)	1.7						
G	7	PVC (Total R.A.)	4.0						
H	8	0.8 μ m MCE	2.0						

Location: Exhaust Sample Bank

Pump ID	Hose No.	Media	Target (l/min)	Actual Flow (l/min)					Ave Flow (l/min)
				1	2	3	4	5	
I	9	PVC (Resp.)	1.7						
J	10	PVC (Resp. R.A.)	1.7						
K	11	PVC (Total R.A.)	4.0						
L	12	0.8 μ m MCE	2.0						

Location: Make-up Air Sample Bank

Pump ID	Hose No.	Media	Target (l/min)	Actual Flow (l/min)					Ave Flow (l/min)
				1	2	3	4	5	
M	13	PVC (Resp. Dust)	1.7						
N	14	0.8 μ m MCE	2.0						

KTA/SET Pump Calibration Report Form

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Exhibit 4

**KTA/SET ENVIRONMENTAL
MECHANICAL VENTILATION EVALUATION FORM**

Project: CDC/NIOSH, Phase 2

Equipment: _____

Air Measurement Instrument: _____

Evaluator: _____

Inspection Date: _____

KTA/SET No.: J97119

A. LOCATION DIAGRAM

AIR VELOCITY MEASUREMENTS
INSIDE BLAST ROOM

1	2	3	4
5	6	7	8
9	10	11	12

Measurements are made at the center of the blast room, across the cross-sectional area perpendicular of the air flow.

MEASUREMENT RESULTS

1 _____ 7 _____
2 _____ 8 _____
3 _____ 9 _____
4 _____ 10 _____
5 _____ 11 _____
6 _____ 12 _____

Average Air Velocity (AAV) = _____ FPM

Exhibit 5

KTA/SET ENVIRONMENTAL

115 Technology Drive
Pittsburgh, PA
412-788-1300

Project: CDC/NIOSH; PHASE 2	Industrial Hygiene Report	Facility: Consolidated Coal Co., Elizabeth, PA
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Date:	Time:	Generic Abr. Type:
KTA/SET Project Number: J97119		Trade Name:
Abrasive Log Number:		Supplier:
Abrasive Mfg.:		Size:
Worker Properly Protected (✓)		Grade:

Ventilation Assessment Complete (✓)	Ventilation Form Complete (✓)

Cleaning Verification (✓)			
Hopper		Walls	
Hose		Ceiling	
Nozzle		Floor	
Reclaimer		Worker	
Chain of Custody – Air – Complete (✓)			

Comments:

Technician	Project Supervisor
Print	Print
Signature	Signature
Date	Date

KTA/SET Industrial Hygiene Report Form				
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**Exhibit 5
(con't)**

AIR SAMPLING DATA

Location: Make-up Air Sample Bank

Pump ID	Hose No.	Sample No.	Media	Time On	Time Off	Elapsed Time	Volume
A	1		0.5 µ m PVC				
B	2		0.5 µ m PVC				
C	3		0.5 µ m PVC				
D	4		0.8 µ m MCE				

Location: Make-up Air Sample Bank

Pump ID	Hose No.	Sample No.	Media	Time On	Time Off	Elapsed Time	Volume
E	4		0.5 µ m PVC				
F	5		0.5 µ m PVC				
G	6		0.5 µ m PVC				
H	7		0.8 µ m MCE				

Location: Make-up Air Sample Bank

Pump ID	Hose No.	Sample No.	Media	Time On	Time Off	Elapsed Time	Volume
I	8		0.5 µ m PVC				
J	9		0.5 µ m PVC				
K	10		0.5 µ m PVC				
L	11		0.8 µ m MCE				

Location: Operator Breathing Zone

Pump ID	Hose No.	Sample No.	Media	Time On	Time Off	Elapsed Time	Volume
M	13		0.5 µ m PVC				
N	14		0.8 µ m MCE				

KTA Daily Inspection Report Form

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Exhibit 6

NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
Division of Respiratory Disease Studies
1095 Willowdale Road
Morgantown, WV 26505-2888
(304) 285-5754

SAMPLE SUBMITTAL FORM

NIOSH Investigator: Mark F. Greskevitch
Sampling Site: KTA/SET ENVIRONMENTAL, INC. ENCLOSED
BLASTING BOOTH in PITTSBURGH, PA
Industrial Process: SIC 1700 CONSTRUCTION
Collection Date: 06-07-96
Shipment Date: 06-27-96
Date: July 1, 1996
Project No: DRDS 96-057
Air Temp (°C): N/A

Sequence Number	Analysis Requested	Sample Characteristics (Type*, Manuf., Lot No.)
8395	Elemental: ICP-AES (7300) and Graphite furnace method for 4 elements listed in comments	Airborne samples for elemental analysis, see attached MSDS sheets of abrasive used and spec sheets for steel blasted upon

* Specify: Solid Sorbent Tube (eg. Charcoal), Filter Type, Impinger Solution, Bulk Sample, Blood, Urine, Tissue, Other

Laboratory Sample Number	Field Sample Number	Air Vol. (liters)

Exhibit 7

CHAIN OF CUSTODY RECORD - AIR SAMPLING FORM SHEET ____ OF ____

1. PROJECT NUMBER: J95331	2. DATE:
3. PROJECT NAME/LOCATION: NIOSH/CDC - PITTSBURGH, PA	
4. NAME OF SAMPLER	Print Signature
	Name Company KTA/SET Environmental
	City Pittsburgh State PA Zip Code 15275

6. SAMPLE NUMBERS

7. SAMPLES RELINQUISHED BY			8. SAMPLES RECEIVED BY		
NAME	DATE	TIME (note am/pm)	NAME	DATE	TIME (note am/pm)

KTA/SET ENVIRONMENTAL	115 TECHNOLOGY DRIVE PITTSBURGH, PA 15275	PHONE: (412) 788-1300 FAX: (412) 788-1306
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Exhibit 8

KTA/SET ENVIRONMENTAL

115 Technology Drive
Pittsburgh, PA
412-788-1300

Project: CDC/NIOSH; Phase 2		Pump Flow Verification Report	Facility: Consolidated Coal Co., Elizabeth, PA	
Date:	Time:	Generic Abr. Type:		
KTA/SET Project Number: J97119		Trade Name:		
Abrasive Log Number:		Supplier:		
Abrasive Mfg.:		Size:		
		Grade:		
Verification Equipment:				
Gilibrator Precision Flow Bubble Meter		SN:		
Gilibrator Standard Flow Cell		SN:		
Calibration Conducted By:		(print)	(signature)	
Comments:				

Location: Make-up Air Sample Bank

Pump ID	Hose No.	Media	Target (l/min)	Actual Flow (l/min)					Ave Flow (l/min)
				1	2	3	4	5	
A	1	PVC (Resp.)	1.7						
B	2	PVC (Resp. R.A.)	1.7						
C	3	PVC (Total R.A.)	4.0						
D	4	0.8 μ m MCE	2.0						

KTA/SET Pump Flow Verification Report Form

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**Exhibit 8
(con't)**

Location: Operator Area Sample Bank									
Pump ID	Hose No.	Media	Target (l/min)	Actual Flow (l/min)					Ave Flow (l/min)
				1	2	3	4	5	
E	5	PVC (Resp.)	1.7						
F	6	PVC (Resp. R.A.)	1.7						
G	7	PVC (Total R.A.)	4.0						
H	8	0.8 μ m MCE	2.0						

Location: Exhaust Sample Bank									
Pump ID	Hose No.	Media	Target (l/min)	Actual Flow (l/min)					Ave Flow (l/min)
				1	2	3	4	5	
I	9	PVC (Resp.)	1.7						
J	10	PVC (Resp. R.A.)	1.7						
K	11	PVC (Total R.A.)	4.0						
L	12	0.8 μ m MCE	2.0						

Location: Operator Breathing Zone									
Pump ID	Hose No.	Media	Target (l/min)	Actual Flow (l/min)					Ave Flow (l/min)
				1	2	3	4	5	
M	13	PVC (Resp. Dust)	1.7						
N	14	0.8 μ m MCE							

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